

④

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 64-045524  
(43)Date of publication of application : 20.02.1989

(51)Int. Cl. B23H 7/02  
B23H 7/10

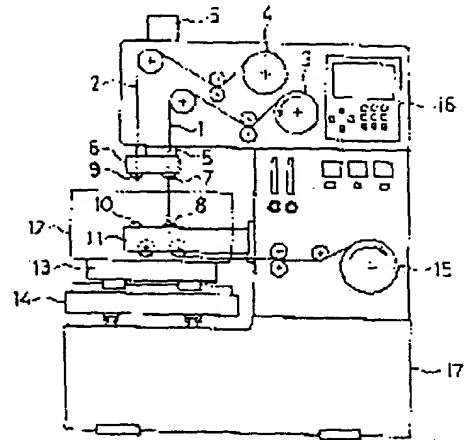
(21)Application number : 62-202839 (71)Applicant : HODEN SEIMITSU KAKO  
KENKYUSHO LTD  
(22)Date of filing : 14.08.1987 (72)Inventor : FUTAMURA SHOJI  
KOMEHANA KAZUYOSHI

## (54) WIRE ELECTRIC DISCHARGE MACHINE

### (57)Abstract:

PURPOSE: To shorten a time taken for exchanging a wire during working by providing a plurality of wire supply side dies to supply the same number of wires as that of dies to the respective wire supply side dies.

CONSTITUTION: In upper and lower support devices 6, 11 of a vertically moving ram 5 are provided with first and second upper and lower dies 7, 9 and 8, 10 to supply a large diameter wire 1 for rough working and a small diameter wire 2 for finishing respectively from wire reels 3, 4 to the upper dies 7, 9 for example. After the completion of rough working by the first wire 1, the wire 1 is cut off, a workpiece in a working tank 12 is moved a distance between the dies 7, 9 by X, Y tables 13, 14, the second wire 2 is inserted into a working hole of workpiece and the second lower dies 10 and trained over a take-up reel 15 for finishing. Thus, a wire exchanging operation can be rapidly carried out and wires having different diameters and materials can be used for various uses.



## LEGAL STATUS

[Date of request for examination]  
[Date of sending the examiner's decision of rejection]  
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]  
[Date of final disposal for application]  
[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against  
examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998, 2000 Japan Patent Office